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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/596,622	06/19/2006	Thomas Nissl	NISSL-2	8513	
	7590 10/03/200 EREISEN, LLC	EXAMINER			
	HENRY M FEIEREISEN 708 THIRD AVENUE			WOLF, MEGAN YARNALL	
SUITE 1501			ART UNIT	PAPER NUMBER	
NEW YORK, NY 10017			3738		
			MAIL DATE	DELIVERY MODE	
			10/03/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/596,622	NISSL, THOMAS			
Office Action Summary	Examiner	Art Unit			
	MEGAN WOLF	3738			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on 19 Ju This action is FINAL . 2b) ☑ This Since this application is in condition for allowant closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 9-18 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 9-18 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or Application Papers 9) ☐ The specification is objected to by the Examiner 10) ☐ The drawing(s) filed on is/are: a) ☐ access applicant may not request that any objection to the objection may not request that any objection to the objection is objected.	relection requirement. r. epted or b)□ objected to by the B				
Replacement drawing sheet(s) including the correcti	on is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).			
11)⊠ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 061906.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte			

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DETAILED ACTION

Oath/Declaration

1. The oath or declaration is defective. A new oath or declaration in compliance with 37 CFR 1.67(a) identifying this application by application number and filing date is required. See MPEP §§ 602.01 and 602.02.

The oath or declaration is defective because:

It does not state that the person making the oath or declaration acknowledges the duty to disclose to the Office all information known to the person to be "material to patentability as defined in 37 CFR 1.56."

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claim 15 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 15 recites the limitation "an axial section of the arm" but claim 9 states that the axial sections and the arm are part of the tie bars and not that the axial sections are part of the arms. Claim 15 also states "an associated one of the first tie bars," but only one first tie bar is previously claimed. Appropriate clarification is required.

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

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invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

- 5. Claims 9-13 and 16-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schaeffer 6,786,922 in view of Lootz et al. 2002/0049487.
- 6. Re claim 9, Schaefer discloses a stent 10 for application in a body vessel, comprising a tubular support frame made of plural ring segments 12, which are arranged sequentially in an axial direction and formed by struts 16, 18, 20, and adjoin each other continuously via transitions 24, with each strut defined by a longitudinal strut axis, the support frame further including first and second tie bars 14 for connecting neighboring ring segments 12, each of the tie bars including an arm 38 extending in circumferential direction of the support frame and terminating on both ends in axial sections 14 for connection of the first and second tie bars to the transitions 24, wherein the axial sections of the first tie bars define a longitudinal axis (figs.1, 4). However, Schaefer does not teach that the struts have a wavy configuration and a width which as measured transversely to the longitudinal strut axis increases from midsection in a direction to the transitions, or that the tie bars are of wavy configuration and have a width which as measured transversely to the longitudinal axis that increases from the arm in a direction to the transitions.

Lootz teaches a stent, in the same field of endeavor, with bars 3" having a longitudinal axis, a wavy configuration, and a width that increases from the midsection 16 in a direction to the transition area 3.1" for the purpose of improving stress distribution as the shape memory stent self-expands (par.77-81; fig.5).

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It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the straight struts and tie bars of uniform width disclosed by Schaeffer to include a wavy configuration with a width increasing from a midsection to a transition as taught by Lootz in order to allow a stent formed from a shape memory material like Nitinol, which Schaeffer discloses in col.5, II.1-4, to transition into a stress-induced state as the stent self-expands below the plastic deformation limit providing for better stress distribution and less chance of failure.

- 7. Re claims 10-13, see figs. 1-4.
- 8. Re claims 16-18, see Lootz fig.5, pars. 78 and 81.
- 9. Claims 14 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schaeffer 6,786,922 in view of Lootz et al. 2002/0049487 as applied to claim 9 above, and further in view of Bales et al. 6,878,162. Schaeffer in view of Lootz discloses the invention substantially as claimed but does not disclose that each third of the transitions has an end formed with a widened head which protrudes in the axial direction beyond neighboring ones of the transitions. Bales teaches a stent, in the same field of endeavor, wherein each third of the transitions 36 has a widened head 37 for the purpose of receiving a radiopaque marker (fig.1; col.4, II.28-31). It would have been obvious to one of ordinary skill in the art at the time of the invention to include a widened head for radiopaque markers as taught by Bales on the stent of Schaeffer in view of Lootz in order to attach markers at the end which allows a surgeon to visualize the stent while it is being deployed as well as after implantation to ensure proper placement. Regarding the limitations of claim 15, because the stent of Schaeffer is

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unitary, a widened head attached to the end of a transition as modified by Bales will inherently be connected to an axial section of a tie bar.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MEGAN WOLF whose telephone number is (571)270-3071. The examiner can normally be reached on Monday-Friday 7:00-4:30 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Corrine McDermott can be reached on (571) 272-4754. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/M. W./ Examiner, Art Unit 3738 9/30/08

/Bruce E Snow/ Primary Examiner, Art Unit 3738